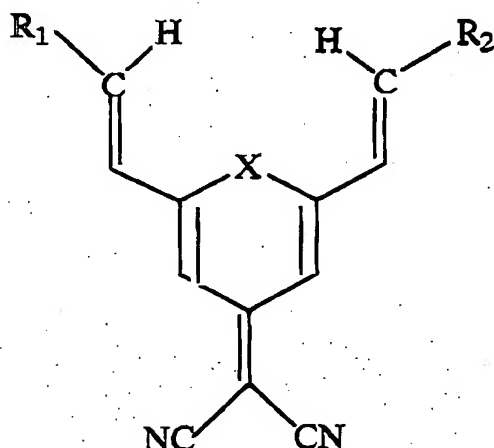


What is claimed is:

1. An organic electroluminescence device, comprising an anode and a cathode, and at least one organic luminescent medium layer containing a compound based on a structure of a chemical formula 6 as:

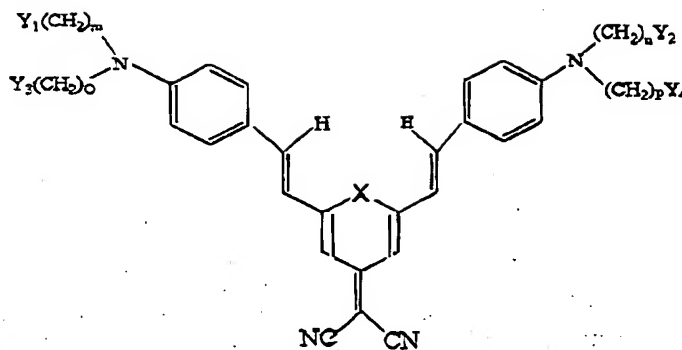
(Chemical Formula 6)



wherein X is O, S, CH<sub>2</sub> or NR, where R is a C<sub>1</sub>-C<sub>10</sub> lower alkyl group; and R<sub>1</sub> and R<sub>2</sub> indicate a ring-containing tertiary amine or a fused ring having 2-(dialkylamino) thienyl ring.

2. The organic electroluminescence device as recited in claim 1, wherein said chemical formula 6 is a chemical formula 7 as:

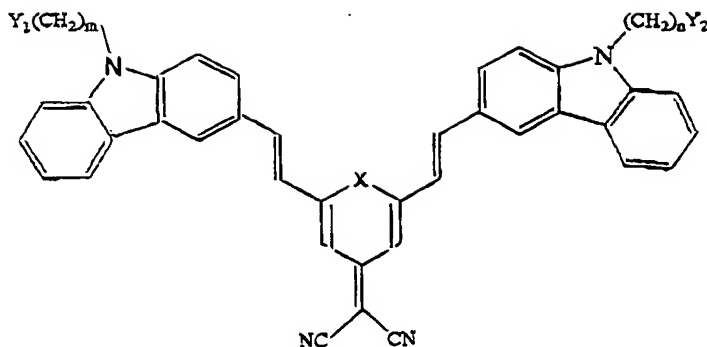
(Chemical Formula 7)



wherein X is O, S, CH<sub>2</sub> or NR, where R is a C<sub>1</sub>-C<sub>10</sub> lower alkyl group; Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>3</sub> and Y<sub>4</sub> may respectively indicate H, OH, or OL where L is a polymer linker subunit, and at least one of Y<sub>1</sub> and Y<sub>2</sub> is OL; and m, n, o and p may individually represent an integer between 1 and 20, or Y<sub>1</sub> and Y<sub>3</sub> may be ring type amine in which the sum of -CH<sub>2</sub>CH<sub>2</sub>-, m+o is an integer between 0 and 2; and Y<sub>2</sub> and Y<sub>4</sub> may be the ring type amine in which the sum of -CH<sub>2</sub>CH<sub>2</sub> -, n+p is an integer between 0 and 2.

3. The organic electroluminescence device as recited in claim 1, wherein said chemical formula 6 is a chemical formula 8 which is as, e.g.,

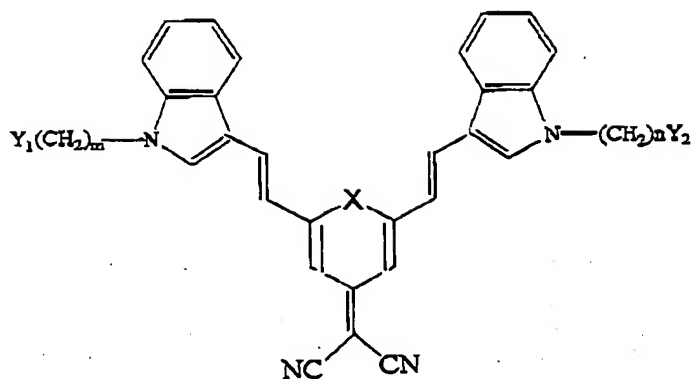
(Chemical Formula 8)



wherein X is O, S, CH<sub>2</sub> or NR, where R is a C<sub>1</sub>-C<sub>10</sub> lower alkyl group; Y<sub>1</sub> and Y<sub>2</sub> may respectively indicate H, OH, or OL where L is a polymer linker subunit, and at least one of Y<sub>1</sub> and Y<sub>2</sub> is OL; and m, n, o and p may individually represent an integer between 1 and 20.

4. The organic electroluminescence device as recited in claim 1, wherein said chemical formula 6 is a chemical formula 9 as,

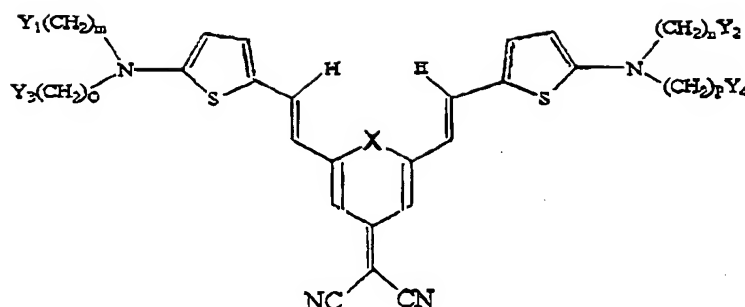
(Chemical Formula 9)



wherein X is O, S, CH<sub>2</sub> or NR, where R is a C<sub>1</sub>-C<sub>10</sub> lower alkyl group; Y<sub>1</sub> and Y<sub>2</sub> may respectively indicate H, OH, or OL where L is a polymer linker subunit, and at least one of Y<sub>1</sub> and Y<sub>2</sub> is OL; and m, n, o and p may individually represent an integer between 1 and 20.

5. The organic electroluminescence device as recited in claim 1, wherein said chemical formula 6 is a chemical formula 10 as,

(Chemical Formula 10)



wherein X is O, S, CH<sub>2</sub> or NR, where R is a C<sub>1</sub>-C<sub>10</sub> lower alkyl group; Y<sub>1</sub>, Y<sub>2</sub>, Y<sub>3</sub> and Y<sub>4</sub> may respectively indicate H, OH, or OL where L is a polymer linker subunit, and at least one of Y<sub>1</sub> and Y<sub>2</sub> is OL; and m, n, o and p may individually represent an integer between 1 and 20, or Y<sub>1</sub> and Y<sub>3</sub> may be ring type amine in which the sum of -CH<sub>2</sub>CH<sub>2</sub>-, m+o is an integer between 0 and 2; and Y<sub>2</sub> and Y<sub>4</sub> may be the ring type amine in which the sum of -CH<sub>2</sub>CH<sub>2</sub> -, n+p is an integer between 0 and 2.

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6. The organic electroluminescence device as recited in claim 1, wherein X is O.

7. The organic electroluminescence device as recited in claim 1, wherein said host material of organic emitting layer is tris-(8-hydroxyquinoline)-aluminum (Alq<sub>3</sub>).

8. The organic electroluminescence device as recited in

claim 1, wherein said organic material is provided with a first dielectric layer formed on an anode, and/or is provided with a second dielectric layer formed on a under part of the cathode.

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9. The method as recited in claim 1, wherein said step of making the organic layer includes the step of uniformly mixing the compound of the chemical formula 6 in polymers matrix and doping it.

10. The organic electroluminescence device as recited in claim 1, wherein a compound of a chemical formula 6 is contained into said organic emitting layer by a concentration of 20 weight % and below based on a weight of a host material.

11. A display comprising at least one organic electroluminescence device, wherein a color emitted by at least one said organic electroluminescence device is made by making an organic emitting layer containing an emitting material based on a structure of a chemical formula 6 between an anode and a cathode.